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(54) Title: VIRTUAL EVENT INTERFACE TO SUPPORT PLATFORM-WIDE PERFORMANCE OPTIMIZATION

(57) Abstract: A performance analyzer analyzes occurrences of virtual events generated by platform components. A user may define and select the virtual events to be analyzed. The performance analyzer comprises a virtual event provider manager and a plurality of virtual event provider drivers. Each of the virtual event provider drivers is associated with one of the platform components to provide a definition for the virtual events supported by the associated platform component. During a registration process, the virtual event provider manager queries the virtual event provider drivers about the supported virtual events, and provides the results to the interrupt vector table. Thus, when a selected virtual event occurs, the processor execution may be interrupted and the interrupted instruction may be stored for analysis.

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